Work Orde Monday, August		629 26:21 PM B	LUE									Page 1
Item ID: Revision ID: Item Name:	D206-642-41 Skidtube RH,			Accept	1781   1881				Setup	Start Stop		
Start Date: Required Date: Reference:	9/13/2010 9/28/2010	Start Qty: 1.00 Req'd Qty: 1.00	110010111011001		Cust Item II Customer:	D:						
Approvals:	Process Pla	in: W	Date: 10 - 8 - 30	Tooling: SPC (Y/N):		ite:	<u>.</u> 		Run	Start Stop		
Sequence ID/ Work Center II		Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	t Re Qt	-	Reject Number	Insp. Stamp
Draw Nbr	Rev	ision Nbr										
DC Document Control		DOCUMENT CONT  Memo  Photocop	ROL by bluefile and create labels p	0.00 0.00 er PPP D206-642 <b>-</b> 412	CHG006 St. polos	bs		#	t-d-a	T (BC	<del>s</del> 10-	-9-22
110 Packaging Packaging		Pick Kit <b>Memo</b>		0.00	·			[0]	19/2	, 2-5 y	<u>)                                    </u>	
120 QC Quality Control		QC4- 100% Inspect k	rits for completeness	0.00	10/09/22			_@	<u>}</u>			
			[31	e14	56							

#### Work Order ID 61629

Monday, August 30, 2010 2:26:21 PM



Page 2

Item ID:

D206-642-412BL

Accept



Date:

Setup Start

**Revision ID:** 

Item Name:

Required Date: 9/28/2010

Skidtube RH, Blue

**Start Date:** 

9/13/2010

Start Qty: 1.00

Req'd Qty: 1.00



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

QC:

Operation

Description

Date:\_\_\_\_\_

Date: Tooling:

SPC (Y/N):

Set Up/

0.00

0.00

**Run Hours** 

**Tool ID** 

Date:

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

130

Sequence ID/

Work Center ID

Packaging Packaging

Packaging

Identify and pack for shipping as per PPP D206-642-412

Location:

PPP Rev:

QC21- Final Inspection - Work Order Release

140

QC

Quality Control

Memo

0.00 0.00

Run Start



Stop

Stop

## **Picklist Print**

Monday, August 30, 2010 2:49:05 PM

Work Order ID: 61629

Parent Item:

D206-642-412BL

Parent Item Name: Skidtube RH, Blue



**Start Date:** 9/13/2010

Required Date: 9/28/2010

Page 1

Start Qty: 1.00

Required Qty: 1.00

Con	nm	en	ts
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Comments:	•	,											
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per I	Kit Tota Qty	l Qty Issued	Date Issued	Status
AN3-41A		Purchased	No				Each	260.0000	8	8			
	<b>         </b>								I HADAH IRAK	1019	9321		
				Location		Loc (	<u>Oty</u>	Loc Code			1		
				ST354			260						
					112431		1			Δ			
					114382		9			Ŝ			
*					114522~		50 200						
AN4-6A		Purchased	No		114941		Each	1,423.000	12	1 12			
		Fulchaseu	140				Eacii	1,423.000		$\int_{-1}^{12}$	$\wedge$		
										10191	1256		
				Location		Loc (	<u>Oty</u>	Loc Code			`		
				ST356		1	1423						
•					112933		96						
					113149		24						
					114523		2						
					114615 114941		500			12			
					115108		300			(0			
					115457		500			,			
AN4C5A		Purchased	No				Each	500.0000	1	7 1			
<b>                                   </b>										IUAL	33Sl		
202.				Location		Loc (	<u>)ty</u>	Loc Code					

500

491

ST346

110552 112243

										•
W/O:			WO	RK ORDER CHAN	GES					
DATE	STEP	PR	OCEDURE CHAI	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
L										
Part No:		PAR #:	Fault Cate	gory:	NCR: Yes No DQA:					
Resolution:			Disposition	1:	QA: N	I/C Clo	sed:		Date: _	
NCR:			WORK ORDE	ER NON-CONFORM	IANCE (	NCR)				
DATE	STEP	Description of NC		Section B Verifica			cation	Approval	Approval	
DAIL	JILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date		on C	Chief Eng	QC Inspector
				WP-PC-						
							,			
d.	1		·				ŀ		1	1

Work Order ID: 61629

D206-642-412BL

Parent Item Name: Skidtube RH, Blue

Parent Item:



**Start Date:** 9/13/2010

Required Date: 9/28/2010

Start Qty: 1.00

Required Qty: 1.00



Purchased

No

Location

112314

115016

112314

114615

115316

100993

ST337

ST338

Location

Location

ST338

ST338

146.0000 Each

	;	*
	AN5-12A	
5		
S	Rolt	

Purchased

No

Loc Qty 21 1 20 125 Each

Loc Code

102.0000

	•
	(
	AN5-13A
$\delta$	
_	Rolt

Purchased

No

Loc Qty 102 102 Each

60.0000

Loc Code

Bolt			
AN960C416	NAS1149C0463	Purchased	

NAS1149C0463 Purchased No R

Loc Qty 60 20 40 Each

105.0000

Loc Code



M112314

8	
	washer

Location ST346

Loc Oty 105 105

Loc Code

	•								•
W/O:			WO	RK ORDER CHANG	ES		<del></del>		
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		<u> </u>							
Part No	:	PAR #:	Fault Categ	ory:	NCR: Yes	No <b>DQ</b>	A:	Date:	
	Res	olution:	Disposition	:	_ QA: N/C C	losed:		Date: _	
NCR:				R NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC Section A	Initial	on B Sign		erification Approval Section C Chief Eng		Approval	
		Section A	Chief Eng	Action Description Chief Eng	Date		ion C	Chief Eng	QC Inspector
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Work Order ID: 61629 Parent Item: D206-642-412BL Parent Item Name: Skidtube RH, Blue			1911   1911   1914   1914   1914   1914   1914   1914     1914   1914   1914   1914   1914   1914   1914   1914   1914   1914   1914   1914   1914   1914   1914   19			art Date: Start Qty:	9/13/2010 <b>Required Date:</b> 9/28/2010 1.00 <b>Required Qty:</b> 1.00
AN960JD10 NAS1149D0363J Purchased  Washer	No			Each	6.0000	8 	18 e/32 p 18/15622 SD
		Location	<u>l</u>	Loc Qty	Loc Code		
:		ST		6			
•			107715	6			
AN960JD416 NAS1149D0463J Purchased  Washer	No			Each	0.0000	24	M1/5622 10/9/030
AN960JD516 NAS1149D0563J Purchased  Washer	No			Each	34.0000	8	M115622 10/9/238/
		Location	1	Loc Qty	Loc Code		, ,
•		ST		34			
			103694	18			
			107534	12			
			109287	4			· · · · · · · · · · · · · · · · · · ·
D206-642-441 Manufactured	No			Each	6.0000		BG1456104/200
Replacement Skidtube		Location		Loc Qty	Los Codo		19-1-1009
		FG081	!		Loc Code		
		FO091	24739	6			
			30265	1			
			30266	1			
-			30940	1			
			31066	1			·
			35469	l			

W/O:		WORK ORDER CHANGES												
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
								1						
					!									
Part No:		PAR #:	Fault Cateç	gory:	NCR: Yes No DQA: Date:									
	R	esolution:	Disposition	n:	_ QA: N/C	Closed:		Date:						
NCR:			WORK ORDE	R NON-CONFORMA	ANCE (NC	R)								
DATE	STEP	Description of NC		ion B	Verif	ication	Approval	Approval						
DATE	J.E.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat	& Sec	tion C	Chief Eng	QC Inspector					
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									[					

Work Order ID: 61629 Parent Item: D206-642-412BL Parent Item Name: Skidtube RH, Blue Required Date: 9/28/2010 **Start Date:** 9/13/2010 Required Qty: 1.00 Start Qty: 1.00 D206-648-013 Manufactured No 2.0000 Each GHW Modification House Location Loc Qty Loc Code FG120 2 42315 47600 att: blue LUG D2652 Manufactured No Each 156.0000 Bushing Location Loc Qty Loc Code FG 44 31985 44 ST020 112 61197 112 D2712 Manufactured No Each 553.0000 Location Loc Qty Loc Code FG 50 29962 50

503 3

500

ST022

61331

	•									•				
W/O:		WORK ORDER CHANGES												
DATE	STEP	PR	OCEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
										٥				
					i.									
Part No	:	PAR #:	Fault Cat	egory:	NCF	R: Yes I	No DQA	:	_ Date: _					
			Disposition: QA: N/C Closed: Da											
NCR:			WORK ORI	DER NON-CONFORM	ANCE	(NCR								
DATE	STEP	Description of NC		Corrective Action Section B			Verific	ation	Approval	Approval				
DAIL	JILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section		Chief Eng	QC Inspector				
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			4											

Work Order ID: 61629 D206-642-412BL Parent Item: Skidtube RH, Blue Parent Item Name: Start Date: 9/13/2010 **Required Date: 9/28/2010** Start Qty: 1.00 Required Oty: 1.00 D2932-2 Manufactured No Each 6.0000 Saddle RH Out, 206 Location Loc Otv Loc Code ST421 41440 53329 ST428 60253 att: blue D2933-2 Manufactured No 2.0000 Each Saddle RH In, 206 Location Loc Qty Loc Code ST428 2 41129 1 53330 att: blue D2934 Manufactured No 44.0000 2 Each Saddle Spacer Location Loc Qty Loc Code FG 6 31929 6 ST031 38

38

59641

W/O:			WC	RK ORDER CHANG	ES		<u> </u>	*
DATE STEP		PROCEDURE CHANGE			Ву	Date Qt	Approvai	Approval QC Inspector
								J.
Part No	•	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQA:	Date: _	
	R	esolution:	Disposition	ı:	_ QA: N/C Cld	sed:	Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	ANCE (NCR	)		
DATE	STEP	Description of NC		on B	Verification	n Approval	Approval	
DAIL	SILP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
								:
					į			

Location

Location

Location

ST428A

ST421

59642

53332

53334 58268

53351

ST028

Page 6

Required Date: 9/28/2010

Required Qty: 1.00

D2935~

Manufactured

Manufactured

No

No

Each

30 30

Each

Each

30.0000

Loc Code

1.0000

Loc Code

Ď2938**-**2

Saddle RH Out, 206

att: blue D2939-2

Manufactured No Loc Qty

Loc Qty

Loc Qty

2.0000

Loc Code

Saddle RH In, 206

att: blue D3407-043

Manufactured

No

Each

2

25.0000

Loc Qty Location Loc Code ST464 25 42211 43308 50387 15

att: blue

Tow Ring

	•								
W/O:			WO	RK ORDER CHANG	ES				• , , , ,
DATE STEP		PR	PROCEDURE CHANGE			Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						·			,
						<del></del>			
Part No	•	PAR #:	Fault Categ	jory:	NCR: Yes	No <b>DQ</b>	A:	Date:	
	Res	solution:	Disposition: QA:			QA: N/C Closed: Date:			
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCF	7)			
DATE	STEP	Description of NC	Corrective Action Section		VQTI		ification Approx	Approval	al Approval
	J.E.	Section A	Initial Chief Eng	Action Description Chief Eng	ription Sign & Date		ion C	Chief Eng	QC Inspector
						}		t	
					\$ \$ 				
-									

Work Order ID: 61629

Parent Item:

D206-642-412BL

Parent Item Name: Skidtube RH, Blue



**Start Date:** 9/13/2010

Required Date: 9/28/2010

Start Qty: 1.00

Required Oty: 1.00



	D3413-1
/	
)	Ring

Manufactured

Manufactured

No

Location	Loc Qty			
ST473	42			
51586	1			
53446	19			
61322	22			

Loc Code

Each

Each

	D3456-1
_	
•	Washer

att: blue

Washer



٠	,		
D34	57-1	 	

		Location	Loc Qty	Loc Code
		ST058	35	
		54692	35	
Manufactured	No	<del></del>	Each	37.0000



2	ر	,		
10	19	/a	35	Ì

Location	Loc Qty
FG	10
32409	10
ST059	27
45913	1
52981	26

Loc Code

35.0000

W/O:	-		WO	RK ORDER CHANG	GES					•	
DATE STEP		PROCEDURE CHANGE				Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
						-					
						;					
Part No	:	PAR #:	Fault Categ	ory:	NCF	R: Yes	No <b>DQ</b>	\:	Date:		
	Res	solution:	Disposition:			QA: N/C Closed: Da				te:	
NCR:			WORK ORDE	R NON-CONFORM	ANCE	(NCR	)			,	
DATE	STEP	Description of NC			ection B		Verification		Approval	Approval	
		Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section	on C	Chief Eng	QC Inspector	
		***************************************									
									,		
			1 1		l l		1			1	

Work Order ID: 61629 Parent Item: D206-642-412BL Parent Item Name: Skidtube RH, Blue Start Date: 9/13/2010 Required Date: 9/28/2010 Required Qty: 1.00 Start Oty: 1.00 MS21042L3 No 2,174.000 Purchased Each Location Loc Qty Loc Code ST300 2174 114523 115 114718 59 114784 2000 MS21042L4 Purchased No Each 2,535.000 12 Location Loc Qty Loc Code ST300 2535 112314 12 113422 68 114523 28 114718 16 114784 491 1920 115108 Purchased No Each 929.0000 Location Loc Qty Loc Code FG 40 104603 40 ST301 889 112492 25 113069 114181 29 114348 27 500 114523 114784 300

W/O:	•		WO	DK ODDED CHAN	GES					
DATE STEP		WORK ORDER CHANGES  PROCEDURE CHANGE				Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					·			-		
Part No	:	PAR #:	Fault Categ	Jory:	NC	R: Yes	No DQ	A:	Date:	
Resolution:		solution:	Disposition:			QA: N/C Closed:			Date:	
NCR:			WORK ORDE	R NON-CONFORM	IANCE	(NCR	)			
DATE	STEP	Description of NC			Section B		Verific	ation	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date		Section C	Chief Eng	QC Inspector
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					,					
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D206-642 Page 24 of 34



#### 206L/L-1/L-3/L-4 HIGH GEAR SKIDTUBES 4.6

ltem	Qty -411	Qty -412	Qty -441	Qty -447	Qty -013	Part Number	Description
	X					D206-642-411	SKIDTUBE INSTALLATION, LH
		χ、				D206-642-412	SKIDTUBE INSTALLATION, RH
	1	1	X			D206-642-441	SKIDTUBE
	<del></del>			×		D206-642-447	WEARSHOE KIT (REPLACES -443)
	1	1			X	D206-648-013	GROUND HANDLING KIT
							SKIDTUBE ASSEMBLY
1			1			D2650-7	*PLUG (1)
_2A			22	L		D2651-1	*O-RING (1)
_2B			22			D2651-3	*AFT CAP (1)
3			1			D2646 MS27039-1-08	*SCREW <sup>(1)</sup>
4			2			AN960JD10L	*WASHER (1)
5			2			AMAGOSIDIOE	WASHER
6	1					D2932-1	SADDLE, FWD OUT, LH
6	<del> </del>	1				D2932-2 //	SADDLE, FWD OUT, RH
7	1					D2933-1	SADDLE, FWD IN, LH
7	<del> </del>	7 1				D2933-2 /	SADDLE, FWD IN, RH
8	1	1 - 1 -				D2938-1	SADDLE, AFT OUT, LH
8	<del> </del>	1				D2938-2 #	SADDLE, AFT OUT, RH
9	1					D2939-1	SADDLE, AFT IN, LH
9		1				D2939-2 🎤	SADDLE, AFT IN, RH
10	8	⁄ 8				AN3-41A #	BOLT
11	16	₹ 16				D2652 🗸	BUSHING
12A	8	8				سطر MS21042-3	NUT (OR MS21042L3)
12B	8	- 8				AN960JD10 ,	WASHER
13	4	· 4				AN5-11A (OR AN5-12A)	* BOLT (2)
14	4	4				AN5-11A (OR AN5-13A)	* BOLT (2)
15	8	8				AN960JD516	WASHER
16	12	/ 12				AN4-6A	BOLT
17	24	24				AN960JD416	WASHER
18	12	7 12				MS21042-4	NUT (OR MS21042L4)
				6		D3537-1	WEARPAD (REPLACES D2648-3)
20A	ļ <u>-</u>	<del>                                     </del>	6	1	-	D3537-3	WEARPAD (REPLACES D3429-1)
21A		<del> </del>	1 1	1		D3535-15	WEARSHOE (REPLACES D2656-15)
22A	╁		1	1		D3536-15	GASKET
22B 23A	-	<del> </del>	1	1		D3535-23	WEARSHOE (REPLACES D2656-23)
23B	<del>                                     </del>		1	1		D3536-23	GASKET
24A	ļ	<del>                                     </del>	1 1	1		D3535-37	WEARSHOE (REPLACES D2656-37)
24B			1	1		D3536-37	GASKET
26A	<del>├</del>		60	60		MS27039C1-08	SCREW
26B	<del></del>		60	60		AN960JD10L	WASHER
26C			60			ALS7-1032-130	*INSERT <sup>(1)</sup> (or AKS4-1032-130, ALS4-1032-130, AELS-1032-130)
						D3407-043	TOW RING ASSEMBLY (REPLACES D2968-043)
30	1	1 1 -	<del> </del>	1	<u> </u>	D3456-1	WASHER
31	1	1 1	<del> </del>	<del>                                     </del>		D3457-1 #	WASHER
32	1 1	1 1	<del> </del>	<del> </del>		MS21043-4	NUT
33	1	4		<del> </del>		MO21040 -	
34	1 1	1	1			AN4C5A	BOLT
35	1	1	i			AN960C416 AF	WASHER
36	1 ,	1				D3413-1 🏕	RING (REPLACES D2655)
							SET SCREW
37	10	10				D2712 **	
38	2	2		<u> </u>		D2934 /	SADDLE SPACER
39	2	2	ļ	ļ	L	D2935	SADDLE SPACER
	<b></b>		<u> </u>	<del> </del>		D3414-041	LUG ASSEMBLY (REPLACES D2659)
40	<b> </b>	<del> </del>	<del> </del>	<del></del>	2	AN3C37A	BOLT
41	<del> </del>	<del> </del>	ļ	1	4	D2652	BUSHING
42		<del> </del>	1	<del> </del>	8	MS21043-3	NUT
43	<u> </u>	<b></b>	<b></b>	<b> </b>	4	MS21043-3 AN960C10	WASHER
44	1	1	1	1	4	MM300C10	MUNICIPAL

NOTES: (1) DENOTES THAT PART IS INCLUDED WITH D2650-7 ASSEMBLY ABOVE (2) CHOICE OF BOLT WILL DEPEND ON CROSSTUBE (SEE INSTALLATION PROCEDURE)

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Revision:

Date: 09.09.09